

**Reporting Title:** Iodine, S  
**Performing Location:** Mayo Clinic Laboratories - Rochester Superior Drive

**Specimen Requirements:**

**Patient Preparation:**

- 1. Disinfectants (such as Betadine) that contain iodine should not be used during venipuncture.
- 2. High concentrations of gadolinium and iodine may interfere with inductively coupled plasma mass spectrometry-based metal tests. If either gadolinium- or iodine-containing contrast media has been administered, **the specimen should not be collected for at least 96 hours.**

**Supplies:**

- Metal Free B-D Tube (No Additive), 6 mL (T184)
- Metal Free Specimen Vial (T173)

**Collection Container/Tube:** Plain, royal blue-top Vacutainer plastic trace element blood collection tube

**Submission Container/Tube:** Mayo metal-free, screw-capped, polypropylene vial

**Specimen Volume:** 1 mL

**Collection Instructions:**

- 1. Allow specimen to clot for 30 minutes; then centrifuge the specimen to separate serum from the cellular fraction.
- 2. Remove the stopper. Carefully pour specimen into Mayo metal-free, polypropylene vial, avoiding transfer of the cellular components of blood. Do not insert a pipet into the serum to accomplish transfer, and do not ream the specimen with a wooden stick to assist with serum transfer.
- 3. See [Trace Metals Analysis Specimen Collection and Transport](#) for complete instructions.

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	21 days	
	Ambient	21 days	
	Frozen	21 days	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
81574	Iodine, S	Numeric	ng/mL	2494-3

LOINC® and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

83789

**Reference Values:**

40-92 ng/mL